

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 June 2005 (09.06.2005)

PCT

(10) International Publication Number
WO 2005/052474 A2

(51) International Patent Classification⁷: **F25D**

(21) International Application Number:
PCT/KR2004/002589

(22) International Filing Date: 11 October 2004 (11.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2003-0085613 28 November 2003 (28.11.2003) KR
10-2004-0063034 11 August 2004 (11.08.2004) KR

(71) Applicant (for all designated States except US): LG
ELECTRONICS INC. [KR/KR]; 20, Yoido-dong,
Youngdungpo-gu, Seoul 150-721 (KR).

(72) Inventors; and

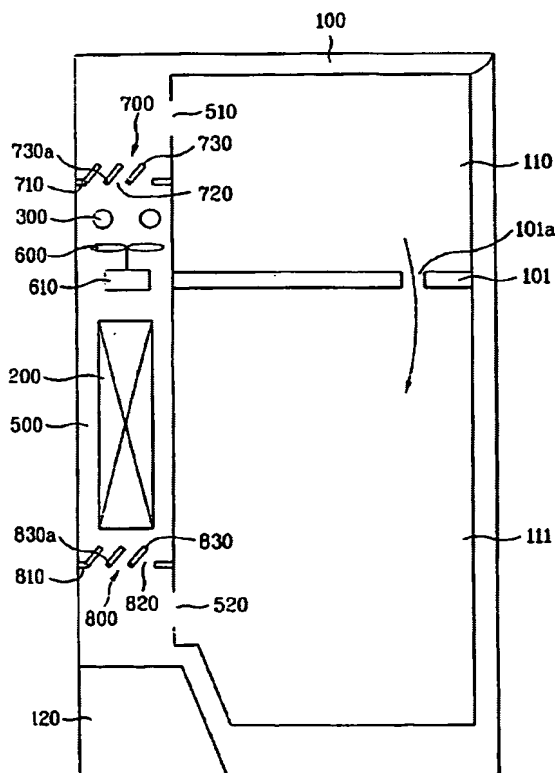
(75) Inventors/Applicants (for US only): LEE, Sang Ik

[KR/KR]; Mochung APT., 2 Danji, 205-203, Mochung-dong, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, 361-753 (KR). **CHOI, Bong Jun** [KR/KR]; Hyundai APT. 2-Cha, 201-213, Banlim-dong, Changwon-si, Gyeongsangnam-do 641-760 (KR). **SIN, Jong Min** [KR/KR]; Samsung APT., 110-1003, Munhyon-dong, Nam-gu, Pusan 608-822 (KR). **JEON, Youngsam** [KR/KR]; Gangnam Villaige, 104-1702, Seongbuk-ri, Suji-eup, Yongin-si, Gyeonggi-do 449-610 (KR). **SIM, Jae Seong** [KR/KR]; Samsung Town, 102-108, Sanho-dong, 18-1, Hapcho-gu, Masan-si, Gyeongsangnam-do 631-480 (KR). **JEONG, Young** [KR/KR]; Jukong APT., 326-303, Cheolsan-dong, 552, Gwangmyeong-si, Gyeonggi-do 423-030 (KR).

(74) Agents: **BAHNG, Hae Cheol et al.; KBK & ASSOCIATES**, 15th Floor Yo Sam Building, 648-23, Yeoksam-dong, Kangnam-gu, Seoul 135-080 (KR).

[Continued on next page]

(54) Title: DEFROSTER FOR EVAPORATOR IN REFRIGERATOR



(57) Abstract: Refrigerator including a cold air duct for receiving cold air circulating inside of a refrigerating chamber and a freezing chamber, an evaporator in the cold air duct, at least one defrosting heater in the cold air duct for selective emission of heat, a fan in the cold air duct, for selective direction of the cold air in upward or downward, a motor for driving the fan, and open/close means for closing a space having the evaporator, the defrosting heater, and the fan positioned therein selectively, thereby providing an improved defroster for an evaporator.